APPLICATION FOR PERMIT TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Date of	filing in State Engineer's Office
Return	ed to applicant for correction
Correct	ted application filed
Map fil	ed
T	he applicantSunoco Energy Development Company
1270	OO Park Central Pl.,Box 9, Suite 1500 Dallas Street and No. or P.O. Box No. City or Town
Tex	(as (75251), hereby make application for permission to appropriate the public State and Zip Code No.
waters	of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorpora-
	a copartnership or association, give names of members.)
	the State of Delaware
1. T	he source of the proposed appropriation is Underground Well No. 77-17 Name of stream, lake or other source.
	3.25
	he amount of water applied for is
•) If stored in reservoir give number of acre-feet
3. T	he water to be used for
4. If	use is for:
(a) Irrigation (state number of acres to be irrigated)
(t) Stockwater (state number and kinds of animals to be watered)
(c	Other use (describe fully under "No. 12. Remarks")
(6	l) Power:
,	(1) Horsepower developed
	(2) Point of return of water to stream
5. T	he water is to be diverted from its source at the following point: SE 1/4 SE 1/4 Section 17, T24N, R37E,
	D.B.&M., or at a point from which the Northwest corner of Section 5, T24N, R37E,
м.	Describe as being within a 40-acre subdivision of public survey, and by course and distance to a section corner. If on unsurveyed land, D.B.&M. bears N 15 ⁰ 31' 14" W a distance of 15,648.8 feet
	it should be stated. lace of use Section 32, T25N, R37E, M.D.B.&M., Sections 4, 5, 6, 7, 8, 17, 18, 19,
	Describe by legal subdivision, if on unsurveyed land it should be so stated. , 21, T24N, R37E, M.D.B.&M., Sections 12, 13, 24, T24N, R36E, M.D.B.&M.
20	, 21, 124N, R3/E, M.D.B.AM., SECTIONS 12, 13, 24, 124N, R30E, 11.5.5.4.
7. U	se will begin about January 1 December 31 Month and Day Month and Day Month and Day
	Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and
	pecifications of your diversion or storage works.) Drill well to approximately 6000 feet, instal
	sing and cement back to surface to protect fresh water zones. Hot water or State manner in which water is to be diverted, whether by dam or other works, whether through pipes, ditches, flumes, or other conduits.
st 	eam will flow through pipeline to electric plant.
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9.	Estimated cost of works
10.	Estimated time required to construct works Two Years
11.	Estimated time required to complete the application to beneficial use Five Years
12.	Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.
	This application is for a geothermal well with a production of 2.1 million gallons per day. The withdrawal will be 2352 acre feet per year; however, the high temperature water would be flashed with the net effect of 210,000 gallons per day being beneficially used and the remaining water returned to the reservoir so only 235 acre feet per year is actually used. This application is commingled with the other applications.
App	licant SUNOCO ENERGY DEVELOPMENT COMPANY
Con	By s/Richard W. Arden Richard W. Arden, Agent 950 Industrial Way Sparks, Nevada (89431)
	OF STATE ENGINEER
follo	This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the wing limitations and conditions:
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The	amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and
not t	o exceedcubic feet per second
Actı	al construction work shall begin on or before
Proc	of of commencement of work shall be filed before
Wor	k must be prosecuted with reasonable diligence and be completed on or before
Proc	of of completion of work shall be filed before
App	lication of water to beneficial use shall be made on or before
Proc	of of the application of water to beneficial use shall be filed on or before
Мар	in support of proof of beneficial use shall be filed on or before
Com Proo	mencement of work filed
Certi	Figure No. By ASEN Tissued FEB 2 1982 A.D. 19
	State Engineer